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Applicants: Thomas J. CAMPANA, Jr., et al
Serial No.: 07/702,939
Filed: May 20, 1991
For: ELECTRONIC MAIL SYSTEM WITH
RF COMMUNICATIONS TO MOBILE
PROCESSORS
Group: 2608
Examiner: G. Oehling

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**AMENDMENT PURSUANT TO 37 C.F.R. §1.312(a) AND
RESPONSE TO EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE**

Honorable Commissioner of
Patents and Trademarks
Washington, D. C. 20231

March 15, 1995

Sir:

IN THE SPECIFICATION:

Please amend the specification as follows:

N.E. Page 6, line 15, after "is" insert --to be--.

Page 7, line 26, delete "the Assignee's".

Page 10, line 16, change "transmitter" to
--transmitters--.

Page 16, line 3, after "and" insert --be--.

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Page 18, line 18, after "network" insert a period ---;
and

line 19, delete "invention."

Page 22, line 16, change "transmission" to
--transmissions--.

Page 25, line 14, change "transmission" to
--transmissions--.

Page 27, at both lines 3 and 13, change "transmission" to
--transmissions--.

Page 34, line 9, delete "While the utilization of area";
line 10, delete in its entirety;
line 11, delete "of the present invention, it"
and insert therefor --It--; and
line 13, delete "with the present invention".

Page 36, line 21, change "relays" to --transfers--.

Page 37, line 22, change "relay" to --transfer--.

Page 38, line 13, ^{OK} change "relay" to --transfer--.

Page 40, line 33, change "relays" to --transfers--.

Page 41, line 10, ^{OK} change "relays" to --transfers--; and
line 24, change "a" to --another--.

Page 42, line 1, change "relaying" to --transferring--.

Page 43, line 16, ^{OK} change "relaying" to --transferring--.

Page 46, line 24, change "104" to --314--; and
line 27, after "from" insert --one of--, and
change "processor" to --processors--.

Page 48, line 4, delete "the RF transmissions of" and
insert therefor --RF transmission by--; and
line 21, change "processor" to --processors--.

Page 49, line 12, change "Fig. 8, but optionally," to
--Fig. 8. Optionally,--;
line 15, delete "as";
line 16, delete "illustrated in Fig. 12"; and
line 28, change "functions" to --function--.

Page 50, line 13, change "relays" to --transfers--.

Page 51, line 23, change "relaying" to --transferring--.

Page 52, line 3, change "relaying" to --transfer--.

Page 53, line 22, change "is" to --may be--.

Page 54, line 6, change "relaying" to --transferring--.

Page 55, line 33, delete "being".

Page 56, line 1, delete "being".

Page 57, line 21, change "relay" to --transfer--; and
line 30, change "10-14" to --10-12--.

IN THE CLAIMS:

Please amend the claims as follows:

7⁹². (Thrice Amended) A system in accordance with
claim ~~87~~² wherein:

the wireline transmitting the other originated
information between the one of the plurality of originating
processors and the at least one of the plurality of
destination processors is one of either a public or private
switch telephone network with the at least one destination
processor being addressed during transmission of the other
originated information to the at least one destination
processor when using the public or private switch telephone
network with a different address than the address used during
transmission of the originated information to the at least one

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of the plurality of destination processors by the
RF information transmission network.

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~~103~~. (Thrice Amended) A method for transmitting

originated information from one of a plurality of originating
processors in an electronic mail system to at least one of a
plurality of destination processors in the electronic mail
system comprising:

transmitting the originated information originating
from the one of the plurality of originating processors to a
gateway switch within the electronic mail system;

transmitting the originated information from the
gateway switch to an interface switch;

transmitting the originated information received
from the gateway switch from the interface switch to [an] a RF
information transmission network;

transmitting the originated information by using
the RF information transmission network to at least one RF
receiver which transfers the originated information to the at
least one of the plurality of destination processors; and

transmitting other originated information with the
electronic mail system from one of the plurality of
originating processors in the electronic mail system to at
least one of the plurality of destination processors in the
electronic mail system through a wireline without transmission
using the RF information transmission network; and wherein

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the originated information is transmitted to the interface switch by the gateway switch in response to an address of the interface switch which has been added to the originated information at the one of the plurality of originating processors or by the electronic mail system and the originated information is transmitted from the interface switch to the RF information transmission network with an address of the at least one of the plurality of destination processors to receive the originated information which has been added at the originating processor or by either the electronic mail system or the interface switch.

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109. (Thrice Amended) A method in accordance with claim ~~104~~¹⁹ wherein:

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cont.

the transmission of the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors by the wireline is through either a public or private switch telephone network with the at least one of the plurality of destination processors being addressed during transmission of the other originated information to the at least one of the plurality of destination processors when using the public or private switch telephone network with a different address than the address used during transmission of the originated information to the at least one of the plurality of

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destination processors by the RF information transmission network.

38₁₂₃. (Amended) A system in accordance with claim 122-37 wherein the RF information transmission network comprises:

[an] a RF information transmission network switch, the RF information transmission network switch receiving the packet from the one interface switch disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information network; and wherein

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cont.

the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any

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cont.

destination of the at least one RF receiver for RF broadcast
to the at least one RF receiver.

40₁₂₅. (Amended) A system in accordance with claim 124³⁹
wherein the RF information transmission network comprises:

[an] a RF information transmission network switch,
the RF information transmission network switch receiving the
packet from the one interface switch disassembles the packet
into disassembled information including the originated
information and the identification number of the at least one
RF receiver in the RF information network; and wherein

the RF information transmission network transmits
the originated information and the identification number from
the RF information transmission network switch to another
RF information transmission network switch in the RF
information transmission network storing a file containing the
identification number and any destination of the at least one
RF receiver in the RF information transmission network to
which the originated information and identification number is
to be transmitted by the RF information transmission network
and adds any destination of the at least one RF receiver
stored in the file containing the identification number to the
originated information and the RF information transmission
network in response to any added destination transmits the
originated information and identification number to any

destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

41
~~126~~. (Thrice Amended) A system in accordance with claim ~~121~~³⁶ wherein:

the wireline transmitting the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors is one of either a public or private switch telephone network with the at least one of the plurality of destination processors being addressed during transmission of the other originated information to the at least one of the plurality of destination processors when using the public or private switch telephone network with a different address than the address used during transmission of the originated information to the at least one of the plurality of destination processors by the RF information transmission network.

52137. (Thrice Amended) A method for transmitting originated information from one of a plurality of originating processors in an electronic mail system to at least one of a plurality of destination processors in the electronic mail system comprising:

transmitting the originated information originating from the one of the plurality of originating processors from the electronic mail system to an interface switch;

transmitting the originated information received from the electronic mail system from the interface switch to [an] a RF information transmission network;

transmitting the originated information by using the RF information transmission network to at least one RF receiver which transfers the originated information to the at least one of the plurality of destination processors; and

transmitting other originated information with the electronic mail system from one of the plurality of originating processors in the electronic mail system to at least one of the plurality of destination processors in the electronic mail system through a wireline without transmission using the RF information transmission network; and wherein

the originated information is transmitted to the one interface switch by the electronic mail system in response to an address of the interface switch added to the originated information at the one of the plurality of originating processors or by the electronic mail system and the originated

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information is transmitted from the interface switch to the RF information transmission network with an address of the at least one of the plurality of destination processors to receive the originated information added at the originating processor or by either the electronic mail system or the interface switch.

55
140. (Amended) A method in accordance with claim ~~139~~ 54 wherein:

[an] a RF information transmission network switch receives the packet from the interface switch and disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information transmission network; and

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cont.
the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the

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originated information and the RF information transmission network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

~~57142.~~ (Amended) A method in accordance with claim ~~141~~ ⁵⁶

wherein:

[an] a RF information transmission network switch receives the packet from the interface switch and disassembles the packet into disassembled information including the originated information and the identification number of the at least one RF receiver in the RF information transmission network; and

the RF information transmission network transmits the originated information and the identification number from the RF information transmission network switch to another RF information transmission network switch in the RF information transmission network storing a file containing the identification number and any destination of the at least one RF receiver in the RF information transmission network to which the originated information and identification number is to be transmitted by the RF information transmission network and adds any destination of the at least one RF receiver stored in the file containing the identification number to the originated information and the RF information transmission

network in response to any added destination transmits the originated information and identification number to any destination of the at least one RF receiver for RF broadcast to the at least one RF receiver.

⁵⁸
~~143.~~ (Thrice Amended) A method in accordance with
⁵³
claim ~~138~~ wherein:

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the transmission of the other originated information between the one of the plurality of originating processors and the at least one of the plurality of destination processors by the wireline is through either a public or private switch telephone network with the at least one of the plurality of destination processors being addressed during transmission of the other originated information to the at least one of the plurality of destination processors when using the public or private switch telephone network with a different address than the address used during transmission of the other information to the at least one of the plurality of destination processors by the RF information transmission network.

⁶⁶
~~54~~ ¹⁵¹ (Amended) A method in accordance with claim [119]
~~129~~ wherein:

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the identification number is added to the originated information by matching an identification of the at least one of the plurality of destination processors with a stored identification of the at least one of the plurality of destination processors and adding an identification number stored with the matched identification of the at least one of the plurality of destination processors to the originated information as the identification number.

⁶⁷
~~52~~ ¹⁵³ (Amended) A method in accordance with claim [120]
~~137~~ wherein:

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the address of the interface switch and the address of the at least one of the plurality of destination processors to receive the originated information is added by a gateway switch.

⁸⁷
~~173~~ (Twice Amended) A method for transmitting originated information from one of a plurality of originating processors in an electronic mail system to at least one of a plurality of destination processors in the electronic mail system comprising:

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cont.
transmitting the originated information originating from the one of the plurality of originating processors to a gateway switch within the electronic mail system;

transmitting the originated information from the gateway switch to an interface switch;

transmitting the originated information received from the gateway switch from the interface switch to [an] a RF information transmission network;

transmitting the originated information by using the RF information transmission network to at least one RF receiver which transfers the originated information to the at least one of the plurality of destination processors;

transmitting other originated information with the electronic mail system from one of the plurality of originating processors in the electronic mail system to at least one of the plurality of destination processors in the electronic mail system through a wireline without transmission using the RF information transmission network; and wherein

the originated information is transmitted to the interface switch by the gateway switch in response to an address of the interface switch which has been added to the originated information and the originated information is transmitted from the interface switch to the RF information transmission network with an address of the at least one of the plurality of destination processors to receive the originated information.

89175. (Twice Amended) A method for transmitting originated information from one of a plurality of originating processors in an electronic mail system to at least one of a plurality of destination processors in the electronic mail system comprising:

transmitting the originated information originating from the one of the plurality of originating processors from the electronic mail system to an interface switch;

transmitting the originated information received from the electronic mail system from the interface switch to [an] a RF information transmission network;

transmitting the originated information by using the RF information transmission network to at least one RF receiver which transfers the originated information to the at least one of the plurality of destination processors;

transmitting other originated information with the electronic mail system from one of the plurality of originating processors in the electronic mail system to at least one of the plurality of destination processors in the electronic mail system through a wireline without transmission using the RF information transmission network; and wherein

the originated information is transmitted to the one interface switch by the electronic mail system in response to an address of the interface switch added to the originated information and the originated information is transmitted from the interface switch to the RF information transmission

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network with an address of the at least one of the plurality of destination processors to receive the originated information.

REMARKS

The Examiner's permission is requested to amend the specification to correct certain typographical errors and to further amend the specification to be consistent with amendments made previously in the prosecution to the specification and claims. None of the requested amendments introduces new matter into the specification.

The Examiner's permission is requested to amend the claims to correct typographical errors, incomplete antecedents and improper dependency. None of the requested amendments requires reexamination or introduces new matter. The requested amendments to claims 92, 109, 126 and 143 are for the purpose of clarifying antecedents. The requested amendments to claims 103, 123, 125, 137, 140, 142, 173 and 175 are to correct the recitation "an RF information" to "a RF information". Finally, the dependency of claims 151 and 153 has been corrected to provide proper dependency in that claims 151 and 153 are erroneously dependent from system claims as allowed. None of the amendments to the claims introduces new matter or requires reexamination.

Early entry of the requested amendments is respectfully requested.

The Examiner has erroneously concluded in his February 7, 1995 Statement of Reasons for Allowance as follows: "The Applicant has defined a requirement for electronic mail systems on page 3, line 29 to page 4, line 15, as follows....Finally, a message or message text must be entered which is the information inputted by the person or machine which is originating the message at the originating processor."

The claims alone define any "requirement" of electronic mail required for practicing the invention. The above-referenced portion of the specification on pages 3 and 4 is a description of how some existing electronic mail systems are used. The specification in the Disclosure of Invention on pages 36-40 and the Best Mode for Carrying Out the Invention on pages 42 et. seq. does not state any "requirement" for an electronic mail system for practicing the invention. The claims define an electronic mail system as "transmitting originated information originating from one of a plurality of originating processors in an electronic mail system to at least one of a plurality of destination processors in the electronic mail system" (claims 86, 103, 120, 137, 172, 173, 174 and 175).

Moreover, nothing in the prosecution history supports a conclusion that the Applicant has ever stated that the use of prior art electronic mail systems as described on page 3, line 29 to page 4, line 15 of the specification, is a

requirement of the claimed invention. In fact, as the Examiner will recall, he previously, on the record, took the view that electronic mail was not limited to any "requirement" as, for example, with reference to the Examiner's construction of the teachings of the Zabarsky et al patent in rejecting the claims.

In view of the foregoing comments, it is respectfully requested that the Examiner correct the official record to remove the above quoted statement in the "Notice of Reasons for Allowance"

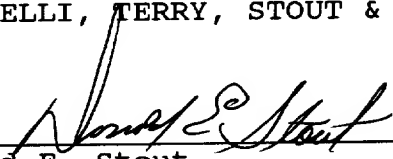
In a telephone conference with Examiner Oehling on March 7th, the Examiner stated that he would withdraw the above quoted statement regarding the "requirement" of electronic mail. The Examiner made this statement in response to the undersigned's telephone request of March 6th which requested withdrawal of the Examiner's statements regarding the "requirement" of electronic mail. The basis stated on March 6th for the undersigned's telephonic request that the Examiner withdraw his Statement of Reasons for Allowance regarding the "requirement" of electronic mail was the same as the reasons stated above. The Examiner's early withdrawal of this statement is respectfully requested.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout &

Kraus, Deposit Account No. 01-2135 (780.29643X00), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS



Donald E. Stout
Registration No. 26,422

DES:dlh